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NEWS 8 Sep 16 Experimental properties added to the REGISTRY file
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NEWS 13 Nov 18 DKILIT has been renamed APOLLIT
NEWS 14 Nov 25 More calculated properties added to REGISTRY
NEWS 15 Dec 04 CSA files on STN
NEWS 16 Dec 17 PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17 Dec 17 TOXCENTER enhanced with additional content
NEWS 18 Dec 17 Adis Clinical Trials Insight now available on STN
NEWS 19 Jan 29 Simultaneous left and right truncation added to COMPENDEX,
ENERGY, INSPEC
NEWS 20 Feb 13 CANCERLIT is no longer being updated
NEWS 21 Feb 24 METADEX enhancements
NEWS 22 Feb 24 PCTGEN now available on STN
NEWS 23 Feb 24 TEMA now available on STN
NEWS 24 Feb 26 NTIS now allows simultaneous left and right truncation
NEWS 25 Feb 26 PCTFULL now contains images
NEWS 26 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27 Mar 20 EVENTLINE will be removed from STN
NEWS 28 Mar 24 PATDPAFULL now available on STN
NEWS 29 Mar 24 Additional information for trade-named substances without
structures available in REGISTRY
NEWS 30 Apr 11 Display formats in DGENE enhanced
NEWS 31 Apr 14 MEDLINE Reload
NEWS 32 Apr 17 Polymer searching in REGISTRY enhanced
NEWS 33 Jun 13 Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34 Apr 21 New current-awareness alert (SDI) frequency in
WPIDS/WPINDEX/WPIX
NEWS 35 Apr 28 RDISCLOSURE now available on STN
NEWS 36 May 05 Pharmacokinetic information and systematic chemical names
added to PHAR
NEWS 37 May 15 MEDLINE file segment of TOXCENTER reloaded
NEWS 38 May 15 Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39 May 16 CHEMREACT will be removed from STN
NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and
right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB

NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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NEWS WWW CAS World Wide Web Site (general information)

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FILE 'BIOSIS' ENTERED AT 11:25:31 ON 14 JUN 2003

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=> s maize and transformation and amino(w)acid and (enhanced or altered)

L1 45 MAIZE AND TRANSFORMATION AND AMINO(W) ACID AND (ENHANCED OR ALTERED)

=> uplicate remove l1

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PROCESSING COMPLETED FOR L1

L2 39 DUPLICATE REMOVE L1 (6 DUPLICATES REMOVED)

=> d l2 1-10 ti

L2 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Manipulation of starch granule size and number by FtsZ-encoding nucleic acids from plants

L2 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes

L2 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture

L2 ANSWER 4 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Expression of a bifunctional fusion of the Escherichia coli genes for trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.

L2 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth

L2 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

L2 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA sequences and use in production of insecticidal toxins A and B in transgenic plants

L2 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI cDNA and polypeptide sequences for plant gene brittle-1 homologs and their uses

L2 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning, sequences and recombinant expression of plant biotin synthases

L2 ANSWER 10 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)

TI Promoter strength and tissue specificity effects on growth of tomato plants transformed with **maize** sucrose-phosphate synthase.

=> s l2 and transit(w)peptide or signal(w)peptide

L3 28627 L2 AND TRANSIT(W) PEPTIDE OR SIGNAL(W) PEPTIDE

=> s l2 and transit(w)peptide

L4 1 L2 AND TRANSIT(W) PEPTIDE

=> d l4

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2000:161470 CAPLUS

DN 132:204056

TI Plastid targeting sequences for modulating the subcellular localization of

recombinant proteins in plants
 IN Bensen, Robert J.
 PA Pioneer Hi-Bred International, Inc., USA
 SO PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000012732	A2	20000309	WO 1999-US18955	19990825
	WO 2000012732	A3	20001019		
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9957794	A1	20000321	AU 1999-57794	19990825
PRAI	US 1998-98225P	P	19980828		
	WO 1999-US18955	W	19990825		

=> s 12 and signal(w)peptide
 L5 3 L2 AND SIGNAL(W) PEPTIDE

=> d 15 1-3 ab

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AB The 10 kD zein protein contains an N-terminal **signal peptide** that directs the protein into the endoplasmic reticulum (ER) of developing corn seeds. Subsequent to **signal peptide** removal, the mature protein is folded into its tertiary conformation and deposited into protein bodies. In transgenic tobacco leaves, the 10 kD zein protein accumulates and forms novel ER derived protein bodies (S. Bagga, H. Adams, F. Rodriguez, J.D. Kemp, C. Sengupta-Gopalan, Coexpression of the **maize** delta-zein and beta-zein genes results in stable accumulation of delta-zein in endoplasmic reticulum-derived protein bodies formed by beta-zein, The Plant Cell 9 (1997) 1683-1696). In this study, the **amino acid** sequence of the 10 kD zein **signal peptide** was modified to determine the effect on cleavage and accumulation patterns. The modified zein gene was constitutively expressed in tobacco where its protein accumulates in novel protein bodies in leaves. **Amino acid** sequencing of the accumulated protein indicates that the cleavage site for the **signal peptide** was **altered** so that the mature protein includes three additional **amino acids** on the N-terminus. Electron microscopy (EM) analysis of leaves from transgenic plants containing the modified gene indicates the presence of two morphologically distinct protein bodies. Furthermore, immunolocalization analysis shows that the modified protein is localized in both types of protein bodies, which are described as spherical and aggregate in this report. This is in contrast to the accumulation of unmodified 10 kD zein protein in transgenic leaves where only spherical protein bodies are observed.

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS
 AB The invention provides polynucleotides, preferably synthetic polynucleotides, which encode processing enzymes that are optimized for expression in plants. The polynucleotides encode mesophilic, thermophilic, or hyperthermophilic processing enzymes, which are activated

under suitable activating conditions to act upon the desired substrate. Also provided are "self-processing" transgenic plants, and plant parts, e.g., grain, which express one or more of these enzymes and have an **altered** compn. that facilitates plant and grain processing. Methods for making and using these plants, e.g., to produce food products having improved taste and to produce fermentable substrates for the prodn. of ethanol and fermented beverages are also provided.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

AB Disclosed are peptides that have **enhanced** stability against plant proteases and are useful in the control of plant diseases. The peptides also have the ability to protect other peptides, polypeptides or proteins from degrdn. by proteases of plant, fungal, viral, bacterial, insect or other origin. Indolicidin exhibits remarkable resistance to proteolysis by proteases; the reverse peptide of indolicidin (designated Rev4, Arg-Arg-Trp-Pro-Trp-Trp-Pro-Trp-Lys-Trp-Pro-Leu-Ile) and derivs and analogs of indolicidin and Rev4 share these properties while maintaining antimicrobial properties. Exogenous or non-native peptides, polypeptides and proteins of agronomic interest exhibit greater resistance to degrdn. by multiple classes of proteases that have different active sites and substrate specificities in the presence of indolicidin, Rev4 and related structures. DNA encoding the peptides of the present invention can be co-expressed with other DNA encoding exogenous peptides in transgenic plants as a method for protecting foreign peptides from degrdn. by proteases. Thus, a synthetic gene (RIL) is constructed encoding the Rev4 peptide fused to a secretion **signal peptide** from tobacco PR-1b protein, and used to show increased bacterial and fungal pathogen resistance in transgenic plants. Also disclosed are nucleic acid sequences, microorganisms, plants, and compns. useful for the treatment of plant diseases.

=> d 15 1-3 ti

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

TI Peptides with **enhanced** stability to protease degradation useful in the control of plant diseases

=> d 15 1-3 ibib

L5 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

ACCESSION NUMBER: 2000:87704 BIOSIS

DOCUMENT NUMBER: PREV200000087704

TITLE: A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.

AUTHOR(S): Randall, Jennifer; Bagga, Suman; Adams, Henry; Kemp, John D. (1)

CORPORATE SOURCE: (1) Department of Entomology, Plant Pathology and Weed Science, Gene Lab, New Mexico State University, Las Cruces, NM, 88003 USA

SOURCE: Plant Science (Shannon), (Jan. 14, 2000) Vol. 150, No. 1, pp. 21-28.
ISSN: 0168-9452.

DOCUMENT TYPE: Article

LANGUAGE: English

SUMMARY LANGUAGE: English

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2003:173758 CAPLUS

DOCUMENT NUMBER: 138:237258

TITLE: Self-processing transgenic plants and plant parts
expressing hyperthermophilic processing enzymes

INVENTOR(S): Lanahan, Michael B.; Basu, Shib Sankar; Batie,
Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark

PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.

SOURCE: PCT Int. Appl., 158 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003018766	A2	20030306	WO 2002-US27129	20020827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-315281P P 20010827

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:314810 CAPLUS

DOCUMENT NUMBER: 132:344450

TITLE: Peptides with **enhanced** stability to protease
degradation useful in the control of plant diseases

INVENTOR(S): Everett, Nicholas P.; Li, Qingshun; Lawrence,
Christopher; Davies, Maelor H.

PATENT ASSIGNEE(S): Interlink Biotechnologies LLC, USA; University of
Kentucky Research Foundation

SOURCE: PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026344	A1	20000511	WO 1999-US25561	19991029
W:	AT, AU, BR, CA, JP, MX			
RW:	AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE			
AU 2000037884	A5	20000522	AU 2000-37884	19991029
BR 9914922	A	20010710	BR 1999-14922	19991029
JP 2002530274	T2	20020917	JP 2000-579716	19991029

PRIORITY APPLN. INFO.: US 1998-106373P P 19981030

US 1998-106537P P 19981102

WO 1999-US25561 W 19991029

OTHER SOURCE(S): MARPAT 132:344450

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 11 11-20

L1 ANSWER 11 OF 45 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AN 1992:262440 BIOSIS
DN BA93:138765
TI NADP-ISOCITRATE DEHYDROGENASE AND THE TRANSFORMATIONS OF
ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.
AU POPOVA T N; IVANOV B F; ZEMLYANUKHIN A A
CS VORONEZH STATE UNIV., VORONEZH, RUSS.
SO FIZIOL RAST (MOSC), (1991) 38 (6), 1142-1149.
CODEN: FZRSAB. ISSN: 0015-3303.
FS BA; OLD
LA Russian

L1 ANSWER 12 OF 45 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.
AN 1999307199 EMBASE
TI A polyketide synthase gene required for biosynthesis of fumonisin
mycotoxins in Gibberella fujikuroi mating population A.
AU Proctor R.H.; Desjardins A.E.; Plattner R.D.; Hohn T.M.
CS R.H. Proctor, Mycotoxin Research Unit, Agricultural Research Service, US
Department of Agriculture, Peoria, IL 61604, United States
SO Fungal Genetics and Biology, (1999) 27/1 (100-112).
Refs: 46
ISSN: 1087-1845 CODEN: FGBIFV
CY United States
DT Journal; Article
FS 004 Microbiology
052 Toxicology
LA English
SL English

L1 ANSWER 13 OF 45 CAPLUS COPYRIGHT 2003 ACS
AN 2003:335291 CAPLUS
DN 138:349699
TI Manipulation of starch granule size and number by FtsZ-encoding nucleic
acids from plants
IN Coates, Stephen Andrew; Burrell, Michael Meyrick
PA Gemstar (Cambridge) Limited, UK
SO PCT Int. Appl., 129 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003035874	A1	20030501	WO 2002-GB4806	20021024
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,				
	CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				
	GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				
	LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,				
	PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,				
	UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,				
	TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,				
	CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,				
	NE, SN, TD, TG				

PRAI GB 2001-25493 A 20011024

US 2002-346905P P 20020108

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 14 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2003:177360 CAPLUS
 DN 138:349461
 TI Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture
 AU Jang, In-Cheol; Pahk, Yoon-Mok; Song, Sang Ik; Kwon, Ho Jeong; Nahm, Baek Hie; Kim, Ju-Kon
 CS Department of Biological Science, Myongji University, Yongin, 449-728, S. Korea
 SO Plant Journal (2003), 33(3), 531-541
 CODEN: PLJUED; ISSN: 0960-7412
 PB Blackwell Publishing Ltd.
 DT Journal
 LA English
 RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 15 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 2003:173758 CAPLUS
 DN 138:237258
 TI Self-processing transgenic plants and plant parts expressing hyperthermophilic processing enzymes
 IN Lanahan, Michael B.; Basu, Shib Sankar; Batie, Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark
 PA Syngenta Participations AG, Switz.
 SO PCT Int. Appl., 158 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003018766	A2	20030306	WO 2002-US27129	20020827
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	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 2001-315281P	P	20010827		

L1 ANSWER 16 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:850366 CAPLUS
 DN 137:364385
 TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants
 IN Simmons, Carl R.; Acevedo, Pedro A. Navarro; Crane, Virginia C.
 PA Pioneer Hi-Bred International, Inc., USA
 SO U.S. Pat. Appl. Publ., 24 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002166146	A1	20021107	US 2002-68347	20020206
PRAI	US 2001-267052P	P	20010207		

L1 ANSWER 17 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:575254 CAPLUS

DN 137:136143
 TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth
 IN He, Steven S.; Dotson, Stanton B.
 PA Monsanto Technology LLC, USA
 SO PCT Int. Appl., 169 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002059332	A2	20020801	WO 2001-US49294	20011219
	WO 2002059332	A3	20030130		
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002170093	A1	20021114	US 2001-24632	20011219
PRAI	US 2000-257896P	P	20001221		

L1 ANSWER 18 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2002:466761 CAPLUS

DN 137:42657

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA sequences and use in production of insecticidal toxins A and B in transgenic plants

IN French-Constant, Richard H.; Bowen, David; Rocheleau, Thomas A.; Waterfield, Nicholas R.

PA UK

SO U.S. Pat. Appl. Publ., 40 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002078478	A1	20020620	US 2001-817514	20010326
PRAI	US 2000-191806P	P	20000324		

L1 ANSWER 19 OF 45 CAPLUS COPYRIGHT 2003 ACS

AN 2001:869049 CAPLUS

DN 136:15981

TI cDNA and polypeptide sequences for plant gene brittle-1 homologs and their uses

IN Allen, Stephen M.; Lightner, Jonathan E.; Rafalski, J. Antoni

PA Allen, Stephen, USA

SO U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S. Ser. No. 668,884.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2001047523	A1	20011129	US 2001-796766	20010301
	WO 9949047	A2	19990930	WO 1999-US6583	19990322
	WO 9949047	A3	20000330		
	W:				
	AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO,				

NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
 ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
 CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 PRAI US 1998-79420P P 19980326
 WO 1999-US6583 W 19990322
 US 2000-668884 A2 20000925

L1 ANSWER 20 OF 45 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:840306 CAPLUS
 DN 136:164254
 TI Study on aluminum resistance in relation to organic-acid anion exudation
 from roots of PEPC transgenic rice plants
 AU Osaki, M.; Nursyamsi, D.; Begum, H. H.; Watanabe, T.
 CS Graduate School of Agriculture, Hokkaido University, Sapporo, 060-8589,
 Japan
 SO Developments in Plant and Soil Sciences (2001), 92(Plant Nutrition),
 514-515
 CODEN: DVPSD8; ISSN: 0167-840X
 PB Kluwer Academic Publishers
 DT Journal
 LA English
 RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s l2 1-10 ti ibib
 MISSING OPERATOR L2 1-10
 The search profile that was entered contains terms or
 nested terms that are not separated by a logical operator.

=> d l2 1-10 ti ibib

L2 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI Manipulation of starch granule size and number by FtsZ-encoding nucleic
 acids from plants
 ACCESSION NUMBER: 2003:335291 CAPLUS
 DOCUMENT NUMBER: 138:349699
 TITLE: Manipulation of starch granule size and number by
 FtsZ-encoding nucleic acids from plants
 INVENTOR(S): Coates, Stephen Andrew; Burrell, Michael Meyrick
 PATENT ASSIGNEE(S): Gemstar (Cambridge) Limited, UK
 SOURCE: PCT Int. Appl., 129 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035874	A1	20030501	WO 2002-GB4806	20021024
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: GB 2001-25493 A 20011024
US 2002-346905P P 20020108
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Self-processing transgenic plants and plant parts expressing
hyperthermophilic processing enzymes
ACCESSION NUMBER: 2003:173758 CAPLUS
DOCUMENT NUMBER: 138:237258
TITLE: Self-processing transgenic plants and plant parts
expressing hyperthermophilic processing enzymes
INVENTOR(S): Lanahan, Michael B.; Basu, Shib Sankar; Batie,
Christopher J.; Chen, Wen; Craig, Joyce; Kinkema, Mark
PATENT ASSIGNEE(S): Syngenta Participations AG, Switz.
SOURCE: PCT Int. Appl., 158 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003018766	A2	20030306	WO 2002-US27129	20020827
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRIORITY APPLN. INFO.: US 2001-315281P P 20010827

L2 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture
ACCESSION NUMBER: 2003:177360 CAPLUS
DOCUMENT NUMBER: 138:349461
TITLE: Structure and expression of the rice class-I type histone deacetylase genes OsHDAC1-3: OsHDAC1 overexpression in transgenic plants leads to increased growth rate and **altered** architecture
AUTHOR(S): Jang, In-Cheol; Pakk, Yoon-Mok; Song, Sang Ik; Kwon, Ho Jeong; Nahm, Baek Hie; Kim, Ju-Kon
CORPORATE SOURCE: Department of Biological Science, Myongji University, Yongin, 449-728, S. Korea
SOURCE: Plant Journal (2003), 33(3), 531-541
CODEN: PLJUED; ISSN: 0960-7412
PUBLISHER: Blackwell Publishing Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 4 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
(2003)
TI Expression of a bifunctional fusion of the Escherichia coli genes for

trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.

ACCESSION NUMBER: 2003:16107 AGRICOLA
DOCUMENT NUMBER: IND23310162
TITLE: Expression of a bifunctional fusion of the Escherichia coli genes for trehalose-6-phosphate synthase and trehalose-6-phosphate phosphatase in transgenic rice plants increases trehalose accumulation and abiotic stress tolerance without stunting growth.
AUTHOR(S): Jang, I.C.; Oh, S.J.; Seo, J.S.; Choi, W.B.; Song, S.I.; Kim, C.H.; Kim, Y.S.; Seo, H.S.; Choi, Y.D.; Nahm, B.H.
AVAILABILITY: DNAL (450 P692)
SOURCE: Plant physiology, Feb 2003. Vol. 131, No. 2. p. 516-524
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NOTE: Includes references
PUB. COUNTRY: Maryland; United States
DOCUMENT TYPE: Article; Conference
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension
LANGUAGE: English

L2 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth

ACCESSION NUMBER: 2002:575254 CAPLUS
DOCUMENT NUMBER: 137:136143
TITLE: Protein and cDNA sequences of ANT-like protein associated with plant cell proliferation and growth
INVENTOR(S): He, Steven S.; Dotson, Stanton B.
PATENT ASSIGNEE(S): Monsanto Technology LLC, USA
SOURCE: PCT Int. Appl., 169 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002059332	A2	20020801	WO 2001-US49294	20011219
WO 2002059332	A3	20030130		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2002170093	A1	20021114	US 2001-24632	20011219
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PRIORITY APPLN. INFO.: US 2000-257896P P 20001221

L2 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

ACCESSION NUMBER: 2002:850366 CAPLUS
DOCUMENT NUMBER: 137:364385
TITLE: Cloning of **maize** PR1 polynucleotides for enhancing pathogen resistance in plants

INVENTOR(S): Simmons, Carl R.; Acevedo, Pedro A. Navarro; Crane,
Virginia C.
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
SOURCE: U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002166146	A1	20021107	US 2002-68347	20020206
PRIORITY APPLN. INFO.:			US 2001-267052P P	20010207

L2 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Photorhabdus luminescens strain W-14 genes tcdB and tccC2, their DNA
sequences and use in production of insecticidal toxins A and B in
transgenic plants

ACCESSION NUMBER: 2002:466761 CAPLUS

DOCUMENT NUMBER: 137:42657

TITLE: Photorhabdus luminescens strain W-14 genes tcdB and
tccC2, their DNA sequences and use in production of
insecticidal toxins A and B in transgenic plants

INVENTOR(S): French-Constant, Richard H.; Bowen, David; Rocheleau,
Thomas A.; Waterfield, Nicholas R.

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 40 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002078478	A1	20020620	US 2001-817514	20010326
PRIORITY APPLN. INFO.:			US 2000-191806P P	20000324

L2 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI cDNA and polypeptide sequences for plant gene brittle-1 homologs and their
uses

ACCESSION NUMBER: 2001:869049 CAPLUS

DOCUMENT NUMBER: 136:15981

TITLE: cDNA and polypeptide sequences for plant gene
brittle-1 homologs and their uses

INVENTOR(S): Allen, Stephen M.; Lightner, Jonathan E.; Rafalski, J.
Antoni

PATENT ASSIGNEE(S): Allen, Stephen, USA

SOURCE: U.S. Pat. Appl. Publ., 32 pp., Cont.-in-part of U.S.
Ser. No. 668,884.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001047523	A1	20011129	US 2001-796766	20010301
WO 9949047	A2	19990930	WO 1999-US6583	19990322
WO 9949047	A3	20000330		

W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID,
IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO,

NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 1998-79420P P 19980326
WO 1999-US6583 W 19990322
US 2000-668884 A2 20000925

L2 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Cloning, sequences and recombinant expression of plant biotin synthases

ACCESSION NUMBER: 2001:817227 CAPLUS

DOCUMENT NUMBER: 135:368546

TITLE: Cloning, sequences and recombinant expression of plant
biotin synthases

INVENTOR(S): Allen, Stephen M.; Kinney, Anthony J.; Miao, Guo-hua;
Orozco, Emil M.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 46 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2001039042	A1	20011108	US 2000-740288	20001219

PRIORITY APPLN. INFO.: US 1999-172929P P 19991221

L2 ANSWER 10 OF 39 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003) DUPLICATE 1

TI Promoter strength and tissue specificity effects on growth of tomato
plants transformed with **maize** sucrose-phosphate synthase.

ACCESSION NUMBER: 2001:57445 AGRICOLA

DOCUMENT NUMBER: IND23216245

TITLE: Promoter strength and tissue specificity effects on
growth of tomato plants transformed with **maize**
sucrose-phosphate synthase.

AUTHOR(S): Laporte, M.M.; Galagan, J.A.; Prasch, A.L.;
Vanderveer, P.J.; Hanson, D.T.; Shewmaker, C.K.;
Sharkey, T.D.

AVAILABILITY: DNAL (450 P693)

SOURCE: Planta, Apr 2001. Vol. 212, No. 5/6. p. 817-822
Publisher: Berlin ; New York : Springer-Verlag, 1925-
CODEN: PLANAB; ISSN: 0032-0935

NOTE: Includes references

PUB. COUNTRY: Germany

DOCUMENT TYPE: Article

FILE SEGMENT: Non-U.S. Imprint other than FAO

LANGUAGE: English

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L2 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Study on aluminum resistance in relation to organic-acid anion exudation
from roots of PEPC transgenic rice plants

ACCESSION NUMBER: 2001:840306 CAPLUS

DOCUMENT NUMBER: 136:164254

TITLE: Study on aluminum resistance in relation to
organic-acid anion exudation from roots of PEPC

transgenic rice plants
 AUTHOR(S): Osaki, M.; Nursyamsi, D.; Begum, H. H.; Watanabe, T.
 CORPORATE SOURCE: Graduate School of Agriculture, Hokkaido University,
 Sapporo, 060-8589, Japan
 SOURCE: Developments in Plant and Soil Sciences (2001),
 92(Plant Nutrition), 514-515
 CODEN: DVPSD8; ISSN: 0167-840X
 PUBLISHER: Kluwer Academic Publishers
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI **Maize** alternative oxidase genes and their uses in transgenic
 plants

ACCESSION NUMBER: 2000:535298 CAPLUS
 DOCUMENT NUMBER: 133:145924
 TITLE: **Maize** alternative oxidase genes and their
 uses in transgenic plants
 INVENTOR(S): Simmons, Carl R.
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
 SOURCE: PCT Int. Appl., 78 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044920	A1	20000803	WO 2000-US1847	20000126
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2355616	AA	20000803	CA 2000-2355616	20000126
EP 1147206	A1	20011024	EP 2000-905725	20000126
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: US 1999-117776P P 19990129
 WO 2000-US1847 W 20000126
 REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 13 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Peptides with **enhanced** stability to protease degradation useful
 in the control of plant diseases

ACCESSION NUMBER: 2000:314810 CAPLUS
 DOCUMENT NUMBER: 132:344450
 TITLE: Peptides with **enhanced** stability to protease
 degradation useful in the control of plant diseases
 INVENTOR(S): Everett, Nicholas P.; Li, Qingshun; Lawrence,
 Christopher; Davies, Maelor H.
 PATENT ASSIGNEE(S): Interlink Biotechnologies LLC, USA; University of
 Kentucky Research Foundation
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000026344	A1	20000511	WO 1999-US25561	19991029
W: AT, AU, BR, CA, JP, MX				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 2000037884	A5	20000522	AU 2000-37884	19991029
BR 9914922	A	20010710	BR 1999-14922	19991029
JP 2002530274	T2	20020917	JP 2000-579716	19991029
PRIORITY APPLN. INFO.:			US 1998-106373P	P 19981030
			US 1998-106537P	P 19981102
			WO 1999-US25561	W 19991029
OTHER SOURCE(S):			MARPAT 132:344450	
REFERENCE COUNT:			7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	

L2 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Plant prohibitin homolog genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division
ACCESSION NUMBER: 2000:191237 CAPLUS
DOCUMENT NUMBER: 132:232748
TITLE: Plant prohibitin homolog genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division
INVENTOR(S): Gordon-Kamm, William J.; Lowe, Keith S.; Nadimpalli, Ramgopal; Simmons, Carl R.
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015818	A2	20000323	WO 1999-US21385	19990915
WO 2000015818	A3	20000525		
W: AE, AL, AM, AT, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ, DE, DE, DK, DK, DM, EE, EE, ES, FI, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6441151	B1	20020827	US 1999-395674	19990914
AU 9959263	A1	20000403	AU 1999-59263	19990915
PRIORITY APPLN. INFO.:			US 1998-100691P	P 19980917
			WO 1999-US21385	W 19990915

L2 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Plant stomatin-like genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division
ACCESSION NUMBER: 2000:191236 CAPLUS
DOCUMENT NUMBER: 132:247168
TITLE: Plant stomatin-like genes and their use for enhancing disease resistance, **transformation** efficiency, and cell division

INVENTOR(S): Gordon-Kamm, William J.; Lowe, Keith S.; Nadimpalli, Ramgopal; Simmons, Carl R.
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
 SOURCE: PCT Int. Appl., 69 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015817	A2	20000323	WO 1999-US21384	19990915
WO 2000015817	A3	20000608		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, VZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 9960451	A1	20000403	AU 1999-60451	19990915
US 2001005746	A1	20010628	US 2001-767129	20010122
PRIORITY APPLN. INFO.:			US 1998-100748P	P 19980917
			US 1999-395397	A3 19990914
			WO 1999-US21384	W 19990915

L2 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI sequence of **Maize** replication protein a large and middle subunits with applications for modulation of cell cycle in both dicots and monocots

ACCESSION NUMBER: 2000:191235 CAPLUS
 DOCUMENT NUMBER: 132:247736
 TITLE: sequence of **Maize** replication protein a large and middle subunits with applications for modulation of cell cycle in both dicots and monocots
 INVENTOR(S): Mahajan, Pramod
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
 SOURCE: PCT Int. Appl., 102 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000015816	A2	20000323	WO 1999-US21277	19990915
WO 2000015816	A3	20000525		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2337902	AA	20000323	CA 1999-2337902	19990915
AU 9960424	A1	20000403	AU 1999-60424	19990915
EP 1114170	A2	20010711	EP 1999-969117	19990915
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,				

IE, SI, LT, LV, FI, RO
 JP 2003510009 T2 20030318 JP 2000-570343 19990915
 US 6538176 B1 20030325 US 1999-396149 19990915
 PRIORITY APPLN. INFO.: US 1998-100690P P 19980917
 US 1999-123896P P 19990311
 WO 1999-US21277 W 19990915

L2 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI Plastid targeting sequences for modulating the subcellular localization of
 recombinant proteins in plants
 ACCESSION NUMBER: 2000:161470 CAPLUS
 DOCUMENT NUMBER: 132:204056
 TITLE: Plastid targeting sequences for modulating the
 subcellular localization of recombinant proteins in
 plants
 INVENTOR(S): Bensen, Robert J.
 PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000012732	A2	20000309	WO 1999-US18955	19990825
WO 2000012732	A3	20001019		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG AU 9957794 A1 20000321 AU 1999-57794 19990825 PRIORITY APPLN. INFO.: US 1998-98225P P 19980828 WO 1999-US18955 W 19990825				

L2 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI **Altered** fatty acid metabolism in plants using a **maize**
 fatty acid elongase cDNA
 ACCESSION NUMBER: 2000:117171 CAPLUS
 DOCUMENT NUMBER: 132:162032
 TITLE: **Altered** fatty acid metabolism in plants
 using a **maize** fatty acid elongase cDNA
 INVENTOR(S): Wienand, Udo; Da Costa e Silva, Oswaldo; Janke, Sabine
 PATENT ASSIGNEE(S): Agricultural Technology & Genetics GmbH, Germany
 SOURCE: PCT Int. Appl., 61 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000008172	A1	20000217	WO 1999-EP5543	19990731
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,				

TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ,
MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK,
ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
CA 2337980 AA 20000217 CA 1999-2337980 19990731
AU 9954172 A1 20000228 AU 1999-54172 19990731
AU 748943 B2 20020613
EP 1100930 A1 20010523 EP 1999-940104 19990731
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO
PRIORITY APPLN. INFO.: EP 1998-114587 A 19980803
WO 1999-EP5543 W 19990731
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Modification of starch biosynthetic enzyme gene expression to produce
starches in grain crops

ACCESSION NUMBER: 2000:98803 CAPLUS
DOCUMENT NUMBER: 132:147614
TITLE: Modification of starch biosynthetic enzyme gene
expression to produce starches in grain crops
INVENTOR(S): Broglie, Karen E.; Lightner, Jonathan Edward
PATENT ASSIGNEE(S): E.I. Du Pont De Nemours and Company, USA
SOURCE: PCT Int. Appl., 56 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000006755	A2	20000210	WO 1999-US16296	19990726
WO 2000006755	A3	20000908		
W: AW, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6392120	B1	20020521	US 1999-345214	19990630
AU 9952174	A1	20000221	AU 1999-52174	19990726
EP 1100938	A2	20010523	EP 1999-937313	19990726
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 9912680	A	20011009	BR 1999-12680	19990726
JP 2002525029	T2	20020813	JP 2000-562537	19990726
US 6570008	B1	20030527	US 2001-743980	20010115
PRIORITY APPLN. INFO.: US 1998-94436P P 19980728 WO 1999-US16296 W 19990726				

L2 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Manipulation of **maize** Mlo genes to enhance disease resistance in
plants

ACCESSION NUMBER: 2000:34897 CAPLUS
DOCUMENT NUMBER: 132:89243
TITLE: Manipulation of **maize** Mlo genes to enhance
disease resistance in plants
INVENTOR(S): Briggs, Steven P.; Simmons, Carl R.
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
SOURCE: PCT Int. Appl., 89 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000001722	A1	20000113	WO 1999-US15255	19990707
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
US 6211433	B1	20010403	US 1999-350268	19990706
US 6576814	B1	20030610	US 1999-347650	19990706
AU 9949712	A1	20000124	AU 1999-49712	19990707
US 6403768	B1	20020611	US 2000-558679	20000426
PRIORITY APPLN. INFO.:			US 1998-91875P P	19980707
			US 1999-350268 A3	19990706
			WO 1999-US15255 W	19990707
REFERENCE COUNT:	9		THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT	

=> d 12 21-30 ti ibib

L2 ANSWER 21 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.
ACCESSION NUMBER: 2000:87704 BIOSIS
DOCUMENT NUMBER: PREV200000087704
TITLE: A modified 10 kD zein protein produces two morphologically distinct protein bodies in transgenic tobacco.
AUTHOR(S): Randall, Jennifer; Bagga, Suman; Adams, Henry; Kemp, John D. (1)
CORPORATE SOURCE: (1) Department of Entomology, Plant Pathology and Weed Science, Gene Lab, New Mexico State University, Las Cruces, NM, 88003 USA
SOURCE: Plant Science (Shannon), (Jan. 14, 2000) Vol. 150, No. 1, pp. 21-28.
ISSN: 0168-9452.
DOCUMENT TYPE: Article
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Sequence of **maize** cell cycle genes and proteins and useful applications
ACCESSION NUMBER: 1999:764197 CAPLUS
DOCUMENT NUMBER: 132:9659
TITLE: Sequence of **maize** cell cycle genes and proteins and useful applications
INVENTOR(S): Lowe, Keith S.; Gordon-Kamm, William J.; Bailey, Matthew A.; Wang, Xun; Gregory, Carolyn A.; Mcelver, John A.; Hoerster, George J.; Abbitt, Shane; Dilkes, Brian R.; Larkins, Brian A.; Bowen, Benjamin A.
PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA; Arizona Board of Regents On Behalf of the University of Arizona

SOURCE: PCT Int. Appl., 115 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961619	A2	19991202	WO 1999-US11411	19990520
WO 9961619	A3	20000323		
W:		AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
CA 2329056	AA	19991202	CA 1999-2329056	19990520
AU 9940959	A1	19991213	AU 1999-40959	19990520
EP 1080197	A2	20010307	EP 1999-924470	19990520
R:		AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI		

PRIORITY APPLN. INFO.: US 1998-86381P P 19980522
WO 1999-US11411 W 19990520

L2 ANSWER 23 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI cDNA molecules encoding plant serine palmitoyltransferase Lcb1 subunits, sequences and uses of
ACCESSION NUMBER: 1999:626344 CAPLUS
DOCUMENT NUMBER: 131:268986
TITLE: cDNA molecules encoding plant serine palmitoyltransferase Lcb1 subunits, sequences and uses of
INVENTOR(S): Cahoon, Rebecca E.; Kinney, Anthony J.; Rafalski, J. Antoni; Rendina, Alan R.
PATENT ASSIGNEE(S): E.I. du Pont de Nemours and Company, USA
SOURCE: PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9949053	A1	19990930	WO 1999-US6045	19990319
W:		AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
RW:		GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG		
AU 9931033	A1	19991018	AU 1999-31033	19990319
BR 9907966	A	20001212	BR 1999-7966	19990319
EP 1066387	A1	20010110	EP 1999-912721	19990319
R:		DE, FR, GB		

PRIORITY APPLN. INFO.: US 1998-79430P P 19980326
WO 1999-US6045 W 19990319

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 24 OF 39 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003)

TI The **maize** EmBP-1 orthologue differentially regulates
Opaque2-dependent gene expression in yeast and cultured **maize**
endosperm cells.

ACCESSION NUMBER: 2000:65212 AGRICOLA
DOCUMENT NUMBER: IND22056171
TITLE: The **maize** EmBP-1 orthologue differentially
regulates Opaque2-dependent gene expression in yeast
and cultured **maize** endosperm cells.
AUTHOR(S): Carlini, L.E.; Ketudat, M.; Parsons, R.L.; Prabhakar,
S.; Schmidt, R.J.; Guiltinan, M.J.
CORPORATE SOURCE: Pennsylvania State University, University Park, PA.
SOURCE: Plant molecular biology, Oct 1999. Vol. 41, No. 3. p.
339-349
Publisher: Dordrecht : Kluwer Academic Publishers.
CODEN: PMBIDB; ISSN: 0167-4412
NOTE: Includes references
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Article
FILE SEGMENT: Non-U.S. Imprint other than FAO
LANGUAGE: English

L2 ANSWER 25 OF 39 EMBASE COPYRIGHT 2003 ELSEVIER SCI. B.V.DUPLICATE 2

TI A polyketide synthase gene required for biosynthesis of fumonisin
mycotoxins in *Gibberella fujikuroi* mating population A.

ACCESSION NUMBER: 1999307199 EMBASE
TITLE: A polyketide synthase gene required for biosynthesis of
fumonisin mycotoxins in *Gibberella fujikuroi* mating
population A.
AUTHOR: Proctor R.H.; Desjardins A.E.; Plattner R.D.; Hohn T.M.
CORPORATE SOURCE: R.H. Proctor, Mycotoxin Research Unit, Agricultural
Research Service, US Department of Agriculture, Peoria, IL
61604, United States
SOURCE: Fungal Genetics and Biology, (1999) 27/1 (100-112).
Refs: 46
ISSN: 1087-1845 CODEN: FGBIFV
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
052 Toxicology
LANGUAGE: English
SUMMARY LANGUAGE: English

L2 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Starch granule-associated protein and transgenic plants producing starch
with **altered** viscosity and phosphate content

ACCESSION NUMBER: 1998:424347 CAPLUS
DOCUMENT NUMBER: 129:91420
TITLE: Starch granule-associated protein and transgenic
plants producing starch with **altered**
viscosity and phosphate content
INVENTOR(S): Kossmann, Jens; Emmermann, Michael
PATENT ASSIGNEE(S): Planttec Biotechnologie G.m.b.H., Germany; Kossmann,
Jens; Emmermann, Michael
SOURCE: PCT Int. Appl., 123 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9827212	A1	19980625	WO 1997-EP7123	19971218
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19653176	A1	19980625	DE 1996-19653176	19961219
AU 9858577	A1	19980715	AU 1998-58577	19971218
AU 740492	B2	20011108		
EP 950107	A1	19991020	EP 1997-954424	19971218
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT				
JP 2001522223	T2	20011113	JP 1998-527334	19971218
PRIORITY APPLN. INFO.: DE 1996-19653176 A 19961219				
WO 1997-EP7123 W 19971218				
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L2 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Manipulation of protoporphyrinogen oxidase enzyme activity in eukaryotic organisms

ACCESSION NUMBER: 1998:435724 CAPLUS

DOCUMENT NUMBER: 129:64053

TITLE: Manipulation of protoporphyrinogen oxidase enzyme activity in eukaryotic organisms

INVENTOR(S): Ward, Eric R.; Volrath, Sandra

PATENT ASSIGNEE(S): Novartis Finance Corp., USA

SOURCE: U.S., 43 pp., Cont.-in-part of U.S. Ser. No. -261,198, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 9

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5767373	A	19980616	US 1995-472028	19950606
CN 1150820	A	19970528	CN 1995-193629	19950608
HU 76353	A2	19970828	HU 1996-3175	19950608
US 5939602	A	19990817	US 1997-808931	19970228
US 6288306	B1	20010911	US 1998-15683	19980129
US 6084155	A	20000704	US 1998-102420	19980622
US 6307129	B1	20011023	US 1998-191998	19981112
US 6282837	B1	20010904	US 1998-196268	19981119
AU 750445	B2	20020718	AU 1999-50101	19990923
AU 9950101	A1	20000203		
US 6308458	B1	20011030	US 2000-497698	20000203
US 2001016956	A1	20010823	US 2000-730525	20001205
CN 1382377	A	20021204	CN 2001-111837	20010321
CN 1309184	A	20010822	CN 2001-112126	20010329
PRIORITY APPLN. INFO.: US 1994-261198 B2 19940616				
US 1995-472028 A2 19950606				
US 1996-12705P P 19960228				
US 1996-13612P P 19960228				
US 1996-20003P P 19960621				
US 1997-808931 A2 19970228				
US 1998-15683 A1 19980129				
US 1998-126430P P 19980311				
US 1998-50603 A2 19980330				

US 1998-59164 A2 19980413
US 1998-102419 B2 19980622
US 1998-102420 A3 19980622

REFERENCE COUNT: 122 THERE ARE 122 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L2 ANSWER 28 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.

TI Resistance of **maize** calli to herbicide Basta and its relevant
effect by some **amino acids**.

ACCESSION NUMBER: 1999:244483 BIOSIS

DOCUMENT NUMBER: PREV199900244483

TITLE: Resistance of **maize** calli to herbicide Basta and
its relevant effect by some **amino acids**

AUTHOR(S): Zhao Tian-Yong; Wang Guo-Ying (1); Huang Zhong; Zhang
Yun-Fang; Xie You-Ju

CORPORATE SOURCE: (1) National Laboratory for Agrobiotechnology, China
Agricultural University, Beijing, 100094 China

SOURCE: Acta Botanica Sinica, (Nov., 1998) Vol. 40, No. 11, pp.
1010-1014.
ISSN: 0577-7496.

DOCUMENT TYPE: Article

LANGUAGE: Chinese

SUMMARY LANGUAGE: Chinese; English

L2 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Arabidopsis thaliana scarecrow gene and promoter sequence and agronomic
applications

ACCESSION NUMBER: 1997:740257 CAPLUS

DOCUMENT NUMBER: 128:31104

TITLE: Arabidopsis thaliana scarecrow gene and promoter
sequence and agronomic applications

INVENTOR(S): Benfey, Philip N.; Dilaurenzio, Laura; Wysocka-Diller,
Joanna; Malamy, Jocelyn E.; Pysh, Leonard; Helariutta,
Yrjo

PATENT ASSIGNEE(S): New York University, USA

SOURCE: PCT Int. Appl., 221 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9741152	A1	19971106	WO 1997-US7022	19970425
W:	AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GE, GH, HU, IL, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TR, TT, UA, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
US 6441270	B1	20020827	US 1997-842445	19970424
AU 9732831	A1	19971119	AU 1997-32831	19970425
AU 724857	B2	20001005		
EP 907660	A1	19990414	EP 1997-928623	19970425
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
US 2003088073	A1	20030508	US 2002-253007	20020923
PRIORITY APPLN. INFO.:			US 1996-638617	A 19960426
			US 1997-842445	A 19970424
			WO 1997-US7022	W 19970425

L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Regulation of plant development and physiology through plasmodesmatal macromolecular transport using the movement protein of tobacco mosaic virus or the KNOTTED1 protein of **maize**

ACCESSION NUMBER: 1997:502259 CAPLUS

DOCUMENT NUMBER: 127:105240

TITLE: Regulation of plant development and physiology through plasmodesmatal macromolecular transport using the movement protein of tobacco mosaic virus or the KNOTTED1 protein of **maize**

INVENTOR(S): Lucas, William J.

PATENT ASSIGNEE(S): Regents of the University of California, USA

SOURCE: PCT Int. Appl., 95 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 3

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9720470	A1	19970612	WO 1996-US19260	19961204
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9711453	A1	19970627	AU 1997-11453	19961204
PRIORITY APPLN. INFO.:			US 1995-7915P	P 19951204
			US 1996-698461	A 19960815
			WO 1996-US19260	W 19961204

=> d 12 30 ab

L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS

AB Methods and mechanisms for regulation of macromol. transport between cells in plasmodesmatal communication with one another are disclosed. Tobacco mosaic virus movement protein (TMV-MP) in wild type and mutant forms is shown to interfere with the endogenous signal transduction pathway that involves macromol. trafficking through plasmodesma to regulate plant size, carbon metab. and biomass partitioning. Plant growth response to light intensity is also **altered** by the viral movement protein. Use of a protein to mediate its own cell-to-cell transport through plasmodesma is illustrated with wild type and mutant forms of KNOTTED protein from the **maize** homeobox gene Knotted. Selective cell-to-cell movements of proteins through plasmodesma are shown to potentiate cellular interactions between cells in adjacent cell layers, such as between layers of meristematic tissue, and between vascular tissue cells and cells in adjacent mesophyll and epidermal layers. Protein domains essential for KNOTTED movement were investigated using a series of alanine scanning mutants. Microinjection studies establish that the MADS box genes *deficiens* and *globosa* of *Antirrhinum* also have the capacity to interact with the plasmodesma to mediate in their cell-to-cell transport.

=> d 12 30-39 to ibib

'TO' IS NOT A VALID FORMAT

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in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):ti

L2 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Regulation of plant development and physiology through plasmodesmatal macromolecular transport using the movement protein of tobacco mosaic virus or the KNOTTED1 protein of **maize**

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

L2 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control

L2 ANSWER 34 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 3
TI Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.

L2 ANSWER 35 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) DUPLICATE 4
TI Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.

L2 ANSWER 36 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Effect of glycolate pathway intermediates on succinate metabolism in **maize** and wheat leaves incubated in the dark.

L2 ANSWER 37 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 5
TI NADP-ISOCITRATE DEHYDROGENASE AND THE **TRANSFORMATIONS** OF ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.

L2 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Expression of a **maize** sucrose phosphate synthase in tomato alters leaf carbohydrate partitioning

L2 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003)
TI Isolation, characterization and sequence of a gene conferring resistance to the systemic fungicide carboxin from the **maize** smut pathogen, Ustilago maydis.

=> d l2 31-39 ti ibib

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS
TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA
ACCESSION NUMBER: 1997:310784 CAPLUS
DOCUMENT NUMBER: 126:289035
TITLE: Plant geraniol/nerol 10-hydroxylase and its encoding

INVENTOR(S): DNA
 Ohta, Daisaku; Mizutani, Masaharu
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: PCT Int. Appl., 42 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9711184	A1	19970327	WO 1996-EP3953	19960910
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5753507	A	19980519	US 1995-532065	19950922
AU 9669887	A1	19970409	AU 1996-69887	19960910
PRIORITY APPLN. INFO.:			US 1995-532065	19950922
			WO 1996-EP3953	19960910

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

ACCESSION NUMBER: 1997:189956 CAPLUS
 DOCUMENT NUMBER: 126:182646
 TITLE: Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses

INVENTOR(S): Law, Marcus Dixon; Dietz, Jon Marquis
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.; Law, Marcus Dixon; Dietz, Jon Marquis
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9702352	A1	19970123	WO 1996-EP2673	19960620
W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6040496	A	20000321	US 1995-496944	19950630
AU 9663588	A1	19970205	AU 1996-63588	19960620
PRIORITY APPLN. INFO.:			US 1995-496944	19950630
			WO 1996-EP2673	19960620

L2 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS
 TI Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control

ACCESSION NUMBER: 1997:69813 CAPLUS
 DOCUMENT NUMBER: 126:85649
 TITLE: Cloning and sequence of the **maize** gene for 5C9 protein and its use for insect control
 INVENTOR(S): Fox, Timothy W.; Garnaat, Carl W.; Meyer, Terry E.

PATENT ASSIGNEE(S): Pioneer Hi-Bred International, Inc., USA
 SOURCE: PCT Int. Appl., 30 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9637615	A1	19961128	WO 1996-US7764	19960524
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
US 5824864	A	19981020	US 1995-449986	19950525
CA 2221972	AA	19961128	CA 1996-2221972	19960524
AU 9658791	A1	19961211	AU 1996-58791	19960524
US 5882668	A	19990316	US 1996-756855	19961126
PRIORITY APPLN. INFO.:			US 1995-449986	19950525
			WO 1996-US7764	19960524

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 (2003) DUPLICATE 3

TI Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.
 ACCESSION NUMBER: 96:19312 AGRICOLA
 DOCUMENT NUMBER: IND20504996
 TITLE: Lysine accumulation in **maize** cell cultures transformed with a lysine-insensitive form of **maize** dihydrodipicolinate synthase.
 AUTHOR(S): Bittel, D.C.; Shver, J.M.; Somers, D.A.; Gengenbach, B.G.
 CORPORATE SOURCE: University of Minnesota, St. Paul, MN.
 AVAILABILITY: DNAL (442.8 Z8)
 SOURCE: Theoretical and applied genetics, Jan 1996. Vol. 92, No. 1. p. 70-77
 Publisher: Berlin; Springer-Verlag
 CODEN: THAGA6; ISSN: 0040-5752
 NOTE: Includes references
 PUB. COUNTRY: West Berlin
 DOCUMENT TYPE: Article
 FILE SEGMENT: Non-U.S. Imprint other than FAO
 LANGUAGE: English

L2 ANSWER 35 OF 39 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.
 (2003) DUPLICATE 4

TI Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.
 ACCESSION NUMBER: 94:12213 AGRICOLA
 DOCUMENT NUMBER: IND20369422
 TITLE: Expression of a rice homeobox gene causes **altered** morphology of transgenic plants.
 AUTHOR(S): Matsuoka, M.; Ichikawa, H.; Saito, A.; Tada, Y.; Fujimura, T.; Kano-Murakami, Y.
 AVAILABILITY: DNAL (QK725.P532)
 SOURCE: The Plant cell, Sept 1993. Vol. 5, No. 9. p. 1039-1048
 Publisher: [Rockville, MD : American Society of Plant

Physiologists, c1989-
CODEN: PLCEEW; ISSN: 1040-4651
NOTE: Includes references
PUB. COUNTRY: Maryland; United States
DOCUMENT TYPE: Article
FILE SEGMENT: U.S. Imprints not USDA, Experiment or Extension
LANGUAGE: English

L2 ANSWER 36 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
TI Effect of glycolate pathway intermediates on succinate metabolism in
maize and wheat leaves incubated in the dark.

ACCESSION NUMBER: 1993:169280 BIOSIS
DOCUMENT NUMBER: PREV199395090330
TITLE: Effect of glycolate pathway intermediates on succinate
metabolization in **maize** and wheat leaves
incubated in the dark.
AUTHOR(S): Igamberdiev, A. U.; Rodionova, M. I.
CORPORATE SOURCE: Biol.-Soil Fac., Voronezh State Univ., Voronezh Russia
SOURCE: Fiziologiya Rastenii (Moscow), (1992) Vol. 39, No. 1, pp.
126-134.
ISSN: 0015-3303.
DOCUMENT TYPE: Article
LANGUAGE: Russian
SUMMARY LANGUAGE: Russian; English

L2 ANSWER 37 OF 39 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
5

TI NADP-ISOCITRATE DEHYDROGENASE AND THE **TRANSFORMATIONS** OF
ISOCITRATE AND 2 KETOGLUTARATE IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.

ACCESSION NUMBER: 1992:262440 BIOSIS
DOCUMENT NUMBER: BA93:138765
TITLE: NADP-ISOCITRATE DEHYDROGENASE AND THE
TRANSFORMATIONS OF ISOCITRATE AND 2 KETOGLUTARATE
IN PLANTS EXPOSED TO OXYGEN-FREE MEDIA.
AUTHOR(S): POPOVA T N; IVANOV B F; ZEMLYANUKHIN A A
CORPORATE SOURCE: VORONEZH STATE UNIV., VORONEZH, RUSS.
SOURCE: FIZIOL RAST (MOSC), (1991) 38 (6), 1142-1149.
CODEN: FZRSBV. ISSN: 0015-3303.
FILE SEGMENT: BA; OLD
LANGUAGE: Russian

L2 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS

TI Expression of a **maize** sucrose phosphate synthase in tomato
alters leaf carbohydrate partitioning

ACCESSION NUMBER: 1993:165255 CAPLUS
DOCUMENT NUMBER: 118:165255
TITLE: Expression of a **maize** sucrose phosphate
synthase in tomato alters leaf carbohydrate
partitioning
AUTHOR(S): Worrell, Ann C.; Bruneau, Jean Michel; Summerfelt,
Kristin; Boersig, Mike; Voelker, Toni A.
CORPORATE SOURCE: Calgene Inc., Davis, CA, 95616, USA
SOURCE: Plant Cell (1991), 3(10), 1121-30
CODEN: PLCEEW; ISSN: 1040-4651
DOCUMENT TYPE: Journal
LANGUAGE: English

L2 ANSWER 39 OF 39 AGRICOLA Compiled and distributed by the National
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of America. It contains copyrighted materials. All rights reserved.
(2003)

TI Isolation, characterization and sequence of a gene conferring resistance
to the systemic fungicide carboxin from the **maize** smut pathogen,
Ustilago maydis.

ACCESSION NUMBER: 91:81119 AGRICOLA
 DOCUMENT NUMBER: IND91045085
 TITLE: Isolation, characterization and sequence of a gene conferring resistance to the systemic fungicide carboxin from the **maize** smut pathogen, *Ustilago maydis*.
 AUTHOR(S): Keon, J.P.R.; White, G.A.; Hargreaves, J.A.
 CORPORATE SOURCE: University of Bristol, Bristol, UK
 AVAILABILITY: DNAL (QH426.C8)
 SOURCE: Current genetics, 1991. Vol. 19, No. 6. p. 475-481
 Publisher: Berlin, W. Ger. : Springer International.
 CODEN: CUGEDS; ISSN: 0172-8083
 NOTE: Includes references.
 DOCUMENT TYPE: Article
 FILE SEGMENT: Non-U.S. Imprint other than FAO
 LANGUAGE: English

=> d 12 31 32 35

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:310784 CAPLUS
 DN 126:289035
 TI Plant geraniol/nerol 10-hydroxylase and its encoding DNA
 IN Ohta, Daisaku; Mizutani, Masaharu
 PA Ciba-Geigy A.-G., Switz.
 SO PCT Int. Appl., 42 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9711184	A1	19970327	WO 1996-EP3953	19960910
	W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	US 5753507	A	19980519	US 1995-532065	19950922
	AU 9669887	A1	19970409	AU 1996-69887	19960910
PRAI	US 1995-532065		19950922		
	WO 1996-EP3953		19960910		

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
 AN 1997:189956 CAPLUS
 DN 126:182646
 TI Untranslatable forms of viral RNA conferring resistance to **maize** dwarf mosaic virus B and other monocotyledonous plant viruses
 IN Law, Marcus Dixon; Dietz, Jon Marquis
 PA Ciba-Geigy A.-G., Switz.; Law, Marcus Dixon; Dietz, Jon Marquis
 SO PCT Int. Appl., 64 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9702352	A1	19970123	WO 1996-EP2673	19960620
	W: AL, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IL, IS, JP, KP, KR, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR,				

IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML,
MR, NE, SN, TD, TG

US 6040496	A	20000321	US 1995-496944	19950630
AU 9663588	A1	19970205	AU 1996-63588	19960620

PRAI US 1995-496944 19950630
WO 1996-EP2673 19960620

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of America. It contains copyrighted materials. All rights reserved.
(2003) DUPLICATE 4

AN 94:12213 AGRICOLA
DN IND20369422
TI Expression of a rice homeobox gene causes **altered** morphology of
transgenic plants.
AU Matsuoka, M.; Ichikawa, H.; Saito, A.; Tada, Y.; Fujimura, T.;
Kano-Murakami, Y.
AV DNAL (QK725.P532)
SO The Plant cell, Sept 1993. Vol. 5, No. 9. p. 1039-1048
Publisher: [Rockville, MD : American Society of Plant Physiologists,
c1989-
CODEN: PLCEEW; ISSN: 1040-4651
NTE Includes references
CY Maryland; United States
DT Article
FS U.S. Imprints not USDA, Experiment or Extension
LA English

=> d 12 31 32 35 ab

L2 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS
AB Novel plant DNA sequences encoding geraniol/nerol 10-hydroxylase (G10H)
are provided. The cDNA from Arabidopsis thaliana was isolated and
sequenced by std. recombinant DNA and mol. cloning techniques, and used to
detect a homologous sequence in **maize**. Arabidopsis G10H
comprises 495 **amino acid** residues with an N-terminal
signal sequence. Methods for using the complete or partial G10H coding
sequence as a probe for diagnosis, mapping, and generation of transformed
host cells are available. Transgenic plant tissues can be constructed
expressing the G10H enzyme for enhancing levels of terpenoid indole
alkaloid and/or iridoid insect pheromone.

L2 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS
AB A method of inducing resistance to RNA viruses in susceptible
monocotyledonous plants is described. The methods involve the synthesis
of an untranslatable form of the viral RNA, e.g. with start codons absent
or with internal stop codons in the plant that interfere with viral
propagation. The RNA may be synthesized by expression of a sequence
derived from the viral RNA from a plant promoter. Structural and
organizational information for the genome of strain B (MDMV-B) of
maize dwarf mosaic virus and methods of using it in the inhibition
of viral infection are described. The methods include the generation of
transformed plants contg. chimeric genes capable of expressing either
MDMV-B proteins or translationally **altered** forms of mRNA
sequences produced by MDMV-B.

L2 ANSWER 35 OF 39 AGRICOLA Compiled and distributed by the National
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of America. It contains copyrighted materials. All rights reserved.
(2003) DUPLICATE 4
AB We have isolated a cDNA clone encoding a homeobox sequence from rice. DNA
sequence analysis of this clone, which was designated as Oryza sativa
homeobox 1 (OSH1), and a genomic clone encoding the OSH1 sequence have

shown that the OSH1 gene consists of five exons and encodes a polypeptide of 361 **amino acid** residues. Restriction fragment length polymorphism analysis has shown that OSH1 is a single-copy gene located near the phytochrome gene on chromosome 3. Introduction of the cloned OSH1 gene into rice resulted in **altered** leaf morphology, which was similar to that of the **maize** morphological mutant Knotted-1 (Kn1), indicating that OSH1 is a rice gene homologous to the **maize** Kn1 gene. RNA gel blot analysis has shown that the gene is primarily expressed in the shoot apices of young rice seedlings. This finding is supported by results of **transformation** experiments in which the 5' flanking region of the gene directed expression of a reporter gene in the shoot apex, particularly in stipules, of transgenic Arabidopsis. To elucidate the biological function of the OSH1 gene product, the coding region was introduced into Arabidopsis under the control of the cauliflower mosaic virus 35S promoter. Almost all transformants showed abnormal morphology. The typical phenotype was the formation of clumps of abundant vegetative and reproductive shoot apices containing meristems and leaf primordia, which did not form elongated shoots. Some transformants with a less severe phenotype formed elongated shoots but had abnormally shaped leaves and flowers with stunted sepals, petals, and stamens. The abnormal phenotypes were inherited, and the level of expression of the introduced OSH1 correlates with the severity of the phenotype. These findings indicate that the abnormal morphologies of the transgenic plants are caused by the expression of the OSH1 gene product and, therefore, that OSH1 is related to the plant development process.